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NOTICE OF ALLOWANCE AND FEE(S) DUE

20985

7590

05/15/2003

FISH & RICHARDSON, PC 4350 LA JOLLA VILLAGE DRIVE SUITE 500 SAN DIEGO, CA 92122 EXAMINER

CUNNINGHAM, TERRY D

ART UNIT

CLASS-SUBCLASS

im

2816

327-541000

DATE MAILED: 05/15/2003

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/056,657	10/19/2001	Raymond Zeng	10559-524001/P12428	9805

TITLE OF INVENTION: CIRCUIT FOR PROVIDING MULTIPLE VOLTAGE SIGNALS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1300	\$0	\$1300	08/15/2003

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. <u>PROSECUTION ON THE MERITS IS CLOSED.</u> THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN <u>THREE MONTHS</u> FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. <u>THIS STATUTORY PERIOD CANNOT BE EXTENDED</u>. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.

 Applicant claims SMALL ENTITY status. See 37 CFR 1.27.

II. PART B - FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B - Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Box ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.







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APPLICATION NO.	I	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/056,657		10/19/2001	Raymond Zeng	10559-524001/P12428	9805
20985	7590	05/15/2003		EXAMINER	
FISH & RICH 4350 LA JOLL				CUNNINGHAM	, TERRY D
SUITE 500				ART UNIT	PAPER NUMBER
SAN DIEGO, CA 92122				2816	
				DATE MAILED: 05/15/2003	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (application filed on or after May 29, 2000)

The patent term adjustment to date is 0 days. If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the term adjustment will be 0 days.

If a continued prosecution application (CPA) was filed in the above-identified application, the filing date that determines patent term adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) system. (http://pair.uspto.gov)

Any questions regarding the patent term extension or adjustment determination should be directed to the Office of Patent Legal Administration at (703)305-1383.







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FISH & RICHARDSON, PC 4350 LA JOLLA VILLAGE DRIVE		CUNNINGHAM, TERRY D			
SUITE 500	G			ART UNIT	PAPER NUMBER
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				DATE MAILED: 05/15/2003	

Notice of Fee Increase on January 1, 2003

If a reply to a "Notice of Allowance and Fee(s) Due" is filed in the Office on or after January 1, 2003, then the amount due will be higher than that set forth in the "Notice of Allowance and Fee(s) Due" since there will be an increase in fees effective on January 1, 2003. See Revision of Patent and Trademark Fees for Fiscal Year 2003; Final Rule, 67 Fed. Reg. 70847, 70849 (November 27, 2002).

The current fee schedule is accessible from: http://www.uspto.gov/main/howtofees.htm.

If the issue fee paid is the amount shown on the "Notice of Allowance and Fee(s) Due," but not the correct amount in view of the fee increase, a "Notice to Pay Balance of Issue Fee" will be mailed to applicant. In order to avoid processing delays associated with mailing of a "Notice to Pay Balance of Issue Fee," if the response to the Notice of Allowance and Fee(s) due form is to be filed on or after January 1, 2003 (or mailed with a certificate of mailing on or after January 1, 2003), the issue fee paid should be the fee that is required at the time the fee is paid. If the issue fee was previously paid, and the response to the "Notice of Allowance and Fee(s) Due" includes a request to apply a previously-paid issue fee to the issue fee now due, then the difference between the issue fee amount at the time the response is filed and the previously paid issue fee should be paid. See Manual of Patent Examining Procedure, Section 1308.01 (Eighth Edition, August 2001).

Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.



			Vm
·	Application No.	Applicant(s)	
Notice of Allowability	10/056,657	ZENG ET AL.	
Notice of Allowability	Examiner	Art Unit	
	Terry D. Cunningham	2816	
The MAILING DATE of this communication apperature All claims being allowable, PROSECUTION ON THE MERITS IS therewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT Right of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this apport or other appropriate communication GHTS. This application is subject to and MPEP 1308.	olication. If not include	ed
 This communication is responsive to the Amendment filed The allowed claim(s) is/are 3,5-10,13 and 15-20. The drawings filed on 07 March 2002 and 04 March 2003 at Acknowledgment is made of a claim for foreign priority und a) All b) Some* c) None of the: 	are accepted by the Examiner.		
 Certified copies of the priority documents have 	been received.		
Certified copies of the priority documents have			
Copies of the certified copies of the priority doc	uments have been received in this r	national stage applicat	ion from the
International Bureau (PCT Rule 17.2(a)).			
* Certified copies not received: 5. Acknowledgment is made of a claim for domestic priority un (a) The translation of the foreign language provisional ap 6. Acknowledgment is made of a claim for domestic priority un	pplication has been received.	onal application).	
Applicant has THREE MONTHS FROM THE "MAILING DATE" of below. Failure to timely comply will result in ABANDONMENT of the	his application. THIS THREE-MON	TH PERIOD IS NOT	EXTENDABLE
7. A SUBSTITUTE OATH OR DECLARATION must be submit INFORMAL PATENT APPLICATION (PTO-152) which gives reason	tted. Note the attached EXAMINER' on(s) why the oath or declaration is c	S AMENDMENT or N leficient.	OTICE OF
 8. CORRECTED DRAWINGS must be submitted. (a) including changes required by the Notice of Draftspers 1) hereto or 2) to Paper No (b) including changes required by the proposed drawing composed co	orrection filed, which has be	en approved by the E	xaminer. No
Identifying indicia such as the application number (see 37 CFR 1.8 each sheet.	4(c)) should be written on the drawing	gs in the front (not the	back) of
9. DEPOSIT OF and/or INFORMATION about the depositate of the depositate of the depositation of the deposit	it of BIOLOGICAL MATERIAL m IE DEPOSIT OF BIOLOGICAL MAT	ust be submitted. N ERIAL.	ote the
Attachment(s)			
 Notice of References Cited (PTO-892) Notice of Draftperson's Patent Drawing Review (PTO-948) Information Disclosure Statements (PTO-1449), Paper No	2☐ Notice of Informal 4☐ Interview Summal 6☐ Examiner's Amen 8☐ Examiner's Stater 9☐ Other	ry (PTO-413), Paper I dment/Comment	No



Application/Control Number: 10/056,657

Art Unit: 2816

STATEMENT OF REASONS FOR ALLOWANCE

The amendment filed 09 May 2003 overcomes all remaining indefiniteness and informalities. The claims now recite the specific circuit and further provides that the "multifunctional pumps" "first" through "fifth arrays" that are "voltage pumps". Since this feature is not seen to be disclosed or otherwise obvious in the cited prior art references, the case is in condition for allowance.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Terry Cunningham whose telephone number is 703-308-4872. The examiner can normally be reached on Monday-Thursday from 7:30 to 6:00.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is 703-308-0956.

TC May 13, 2003 Terry O. Cunningha Primary Examiner Art Unit 2816





PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents Alexandria, Virginia 22313-1450

<u>Fax</u> (703)746-4000

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 4 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as as for

maintenance fee notification	selow or directed otherwas.	vise in Block I, by (a) s	pecifying a new c	orrespondence ac	ldress; and/or (b) indicating a sep	arate "FEE ADDRESS" f	
CURRENT CORRESPONDENCE ADDRESS (Note: Legibly mark-up with any corrections or use Bloc 20985 7590 05/15/2003 FISH & RICHARDSON, PC				Note: A certification of the Rectandary of the R	cate of mailing can only be used for nittal. This certificate cannot papers. Each additional paper, s 3, must have its own certificate of n	or domestic mailings of the be used for any othe such as an assignment o nailing or transmission.	
4350 LA JOLLA V SUITE 500 SAN DIEGO, CA 9					Certificate of Mailing or Transy that this Fee(s) Transmittal is lostal Service with sufficient postal service with sufficient postal service with sufficient postal seed to the Box Issue Fee address the USPTO, on the date indicated by		
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APPLICATION NO.	FILING DATE	FIR	ST NAMED INVEN	TOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/056,657 TITLE OF INVENTION: CI	10/19/2001 RCUIT FOR PROVIDI	NG MULTIPLE VOLTA	Raymond Zeng GE SIGNALS		10559-524001/P12428	9805	
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,				\$0	\$1300	08/15/2003	
EXAMIN		ART UNIT	ART UNIT CLASS-SUBCLASS 2816 327-541000				
CUNNINGHAM	, TERRY D	2816					
1. Change of correspondence CFR 1.363).		•	the names of up	on the patent fro	natent attorneys		
☐ Change of corresponder Address form PTO/SB/122	ice address (or Change o 2) attached.	f Correspondence	or agents OR,	ltematively, (2)	the name of a		
☐ "Fee Address" indication	☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached Use of a Customor			single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.			
3. ASSIGNEE NAME AND I	RESIDENCE DATA TO	BE PRINTED ON THE	PATENT (print or	tumo)			
PLEASE NOTE: Unless an been previously submitted to (A) NAME OF ASSIGNEE	assignee is identified be the USPTO or is being	elow, no assignee data wi submitted under separate	Il appear on the pa cover. Completion SIDENCE: (CITY	tent. Inclusion of	f assignee data is only appropriate IOT a substitute for filing an assign COUNTRY)	when an assignment has iment.	
Please check the appropriate a	Ssignee category or cate	gories (will not be printed		D	_		
4a. The following fee(s) are er	nclosed:		ment of Fee(s):	☐ individual	☐ corporation or other private gro	oup entity government	
☐ Issue Fee			` '	of the fee(s) is en	closed		
☐ Publication Fee			check in the amount of the fee(s) is enclosed. ayment by credit card. Form PTO-2038 is attached.				
☐ Advance Order - # of Copies ☐ The Copies			Commissioner is hereby authorized by charge the required fee(s), or credit any overpayment, to it Account Number (enclose an extra copy of this form)				
Commissioner for Patents is re	equested to apply the Issu	ue Fee and Publication Fe	e (if any) or to re-a	pply any previou	usly paid issue fee to the application	n identified above.	
(Authorized Signature)		(Date)					
NOTE; The Issue Fee and I other than the applicant; a interest as shown by the reco	gent; or the assignee or Patent and Trademark Off	other party in					
This collection of informatio obtain or retain a benefit by application. Confidentiality is estimated to take 12 minutes completed application form case. Any comments on the suggestions for reducing this Patent and Trademark Off 22313-1450. DO NOT SEND TO: Commissioner for Under the Paperwork Reductions of the paperwork Reduction of the paperwork Reduction.	on is required by 37 CF, the public which is to governed by 35 U.S.C. to complete, including to the USPTO. Time we amount of time you burden, should be sent ice, U.S. Department ID FEES OR COMPL. Patents, Alexandria, Vi	R 1.311. The information file (and by the USPTG) 122 and 37 CFR 1.14. The gathering, preparing, and rill vary depending upon require to complete this to the Chief Information of Commerce, Alexan ETED FORMS TO THI reginia 22313-1450.	is required to				

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